

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/574, 031
Source: IFWO
Date Processed by STIC: 02/13/2007

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 02/13/2007

PATENT APPLICATION: US/10/574,031

TIME: 10:08:37

Input Set : A:\58582478.APP

Output Set: N:\CRF4\02132007\J574031.raw

```

3 <110> APPLICANT: WU, YUNTAO
4     MARSH, JON W.
6 <120> TITLE OF INVENTION: HIV-DEPENDENT EXPRESSION CONSTRUCTS AND USES THEREFOR
8 <130> FILE REFERENCE: 59582 (47992)
10 <140> CURRENT APPLICATION NUMBER: 10/574,031
11 <141> CURRENT FILING DATE: 2006-03-27
13 <150> PRIOR APPLICATION NUMBER: PCT/US04/31967
14 <151> PRIOR FILING DATE: 2004-09-28
16 <150> PRIOR APPLICATION NUMBER: 60/507,034
17 <151> PRIOR FILING DATE: 2003-09-28
19 <160> NUMBER OF SEQ ID NOS: 3
21 <170> SOFTWARE: PatentIn Ver. 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 4418
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
30     construct
32 <400> SEQUENCE: 1
33 tggaagggtc aatttggtcc caaaaaagac aagagatcct tgatctgtgg atctaccaca 60
34 cacaaggcta ctccctgat tggcagaact acacaccagg gccagggtac agatatccac 120
35 tgacctttgg atggtgcttc aagtttagtac cagttgaacc agagcaagta gaagaggcca 180
36 aataaggaga gaagaacagc ttgttacacc ctatgagcca gcatgggatg gaggaccgag 240
37 agggagaagt attagtgtgg aagtttgaca gcctcctagc atttcgtcac atggcccag 300
38 agctgcatcc ggagtactac aaagactgct gacatcgagc tttctacaag ggactttccg 360
39 ctggggactt tccagggagg tgtggcctgg gcgggactgg ggagtggcga gccctcagat 420
40 gctacatata agcagctgct ttttgctgt actgggtctc tctgggttaga ccagatctga 480
41 gcctgggagc tctctggcta actagggaac ccactgctta agcctcaata aagcttgctc 540
42 tgagtgtctc aagtagtgtg tgcccgtctg ttgtgtgact ctggtaacta gagatccctc 600
43 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacttgaaag 660
44 cgaaagtaaa gccagaggag atctctcgac gcaggactcg gcttgctgaa gcgcgcacgg 720
45 caagaggcga ggggcggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga 780
46 aggagagaga tgggtgagag agcgtcagta ttaagcgggg gagaattaga tcgcgatggg 840
47 aaaaaattcg gttaaggcca gggggaaaga aaaaatataa attaaaacat atagtatggg 900
48 caagcaggga gctagaacga ttcgcagtta atcctggcct gttagaaaca tcagaaggct 960
49 gtagacaaat actgggacag ctacaacat cccttcagac aggatcagaa gaacttagat 1020
50 cattatataa tacagtagca accctctatt gtgtgcatca aaggatagag ataaaagaca 1080
51 ccaagggaagc tttagacaag atagaggaag agcaaaacaa aagtaagacc accgcacagc 1140
52 aagcgccgcg tctagcccg gcggatccga attcgcatgc gtcgactcga ggactacaag 1200
53 gatgacgatg acaaggatta caaagacgac gatgataagg actataagga tgatgacgac 1260
54 aaataatagc aattcctcga cgactgcata gggttacccc cctctccctc cccccccct 1320
55 aacgttactg gccgaagccg cttggaataa ggccggtgtg cgtttgtcta tatgttattt 1380

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,031

DATE: 02/13/2007

TIME: 10:08:37

Input Set : A:\58582478.APP

Output Set: N:\CRF4\02132007\J574031.raw

```

56 tccaccatat tgcctctctt tggcaatgtg agggcccgga aacctggccc tgtcttcttg 1440
57 acgagcattc ctagggtctt tccccctctc gccaaaggaa tgcaaggctt gttgaatgtc 1500
58 gtgaaggaag cagttcctct ggaagcttct tgaagacaaa caacgtctgt agcgacctt 1560
59 tgcaggcagc ggaaccccc acctggcgac aggtgcctct gcggccaaaa gccacgtgta 1620
60 taagatacac ctgcaaaggc ggcacaaccc cagtgccacg ttgtgagttg gatagttgtg 1680
61 gaaagagtca aatggctctc ctcaagcgta ttcaacaagg ggctgaagga tgcccagaag 1740
62 gtaccccatg gtatgggatc tgatctgggg cctcggtgca catgctttac atgtgtttag 1800
63 tgcaggttaa aaaacgtcta gggcccccga accacgggga cgtggttttc ctttgaaaaa 1860
64 cacgatgata atggccacaa ccatggtgag caagcagatc ctgaagaaca cgggcctgca 1920
65 ggagatcatg agcttcaagg tgaacctgga gggcgtggtg aacaaccacg tgttcaccat 1980
66 ggagggtgc ggcaaggga acatcctgtt cggcaaccag ctggtgcaga tccgcgtgac 2040
67 caaggcgcc cccctgccct tcgccttcga catcctgagc cccgccttc agtacggcaa 2100
68 ccgcacctc accaagtacc ccgaggacat cagcgacttc ttcattccaga gcttccccgc 2160
69 cggcttcgtg tacgagcgca ccctgcgcta cgaggacggc ggctggtgg agatccgcag 2220
70 cgacatcaac ctgatcgagg agatgttcgt gtaccgcgtg gagtacaagg gccgcaactt 2280
71 ccccaacgac ggcccgtga tgaagaagac catcaccggc ctgcagccca gcttcgaggt 2340
72 ggtgtacatg aacgacggcg tgctggtggg ccaggtgatc ctggtgtacc gcctgaacag 2400
73 cggcaagttc tacagctgcc acatgcgcac cctgatgaag agcaaggcg tgggaagga 2460
74 cttccccgag taccacttca tccagcaccg cctggagaag acctacgtgg aggacggcgg 2520
75 cttcgtggag cagcacgaga ccgccatcgc ccagctgacc agcctgggca agccctggg 2580
76 cagcctgcac gagtgggtgt aatagggtac caggtaagtg tacccaattc ggccgctgat 2640
77 cttcagacct ggaggaggag atatgaggga caattggaga agtgaattat ataaatataa 2700
78 agtagtaaaa attgaacat taggagtagc accaccaag gcaaagagaa gagtggtgca 2760
79 gagagaaaaa agagcagtg gaataggagc tttgttcctt gggttcttgg gagcagcagg 2820
80 aagcactatg ggcgcagcgt caatgacgct gacggtacag gccagacaat tattgtctgg 2880
81 tatagtgcag cagcagaaca atttgctgag ggctattgag gcgcaacagc atctgttgca 2940
82 actcacagtc tggggcatca agcagctcca ggcaagaatc ctggctgtgg aaagatacct 3000
83 aaaggatcaa cagctcctgg ggatttgggg ttgctctgga aaactcattt gcaccactgc 3060
84 tgtgccttgg aatgctagtt ggagtaataa atctctggaa cagatttggga atcacacgac 3120
85 ctggatggag tgggacagag aaattaacaa ttacacaagc ttaatacact ccttaattga 3180
86 agaatcgcaa aaccagcaag aaaagaatga acaagaatta ttggaattag ataaatgggc 3240
87 aagtttgtgg aattggttta acataacaaa ttggtctggt tatataaaat tattcataat 3300
88 gatagtagga ggcttgtag gtttaagaat agtttttctg gtactttcta tagtgaatag 3360
89 agttaggcag gcatattcac cattatcggt tcagaccac ctccaaccc cgaggggacc 3420
90 cgacaggccc gaaggaatag aagaagaagg tggagagaga gacagagaca gatccattcg 3480
91 attagtgaac ggatctcgac ggtatcgat ggggattggt ggcgacgact cctggagccc 3540
92 gtcagtatcg gcggaattcc agctgagcca gcagcagatg ggggtgggagc agtatctcga 3600
93 gacctagaaa aacatggagc aatcacagt agcaatacag cagctaacaa tgctgcttgt 3660
94 gcctggctag aagcacaaga ggaggaagag gtgggttttc cagtacaccc tcaggtacct 3720
95 ttaagaccaa tgacttacia ggcagctgta gatcttagcc acttttttaa agaaaagggg 3780
96 ggactggaag ggctaattca ctcccaaaga agacaagata tccttgatct gtggatctac 3840
97 cacacacaag gctacttccc tgattggcag aaatcacac cagggccagg ggtcagatat 3900
98 cactgacct ttggatggtg ctacaagcta gtaccagttg agccagataa ggtagaagag 3960
99 gccataaag gagagaacac cagcttgta caccctgtga gcctgcatgg aatggatgac 4020
100 cctgagagag aagtgttaga gtggaggttt gacagccgcc tagcatttca tcacgtggcc 4080
101 cgagagctgc atccggagta cttcaagaac tgctgacatc gagcttgcta caagggactt 4140
102 tccgtgggg actttccagg gaggcgtggc ctgggcggga ctggggagtg gcgagccctc 4200
103 agatgctgca tataagcagc tgccttttgc ctgtactggg tctctctggt tagaccagat 4260
104 ctgagcctgg gagctctctg gctaactagg gaaccactg cttaagcctc aataaagctt 4320

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,031

DATE: 02/13/2007

TIME: 10:08:37

Input Set : A:\58582478.APP

Output Set : N:\CRF4\02132007\J574031.raw

```

105 gccttgagtg cttcaagtag tgtgtgcccc tctgttgtgt gactctggta actagagatc 4380
106 cctcagaccc ttttagtcag tgtggaaaat ctctagca 4418
109 <210> SEQ ID NO: 2
110 <211> LENGTH: 4554
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
116      construct
118 <400> SEQUENCE: 2
119 tggaagggct aatttggtcc caaaaaagac aagagatcct tgatctgtgg atctaccaca 60
120 cacaaggcta cttccctgat tggcagaact acacaccagg gccagggatc agatatccac 120
121 tgacctttgg atggtgcttc aagtttagtac cagttgaacc agagcaagta gaagaggcca 180
122 aataaggaga gaagaacagc ttgttacacc ctatgagcca gcatgggatg gaggaccagg 240
123 agggagaagt attagtgtgg aagtttgaca gcctcctagc atttcgtcac atggcccagg 300
124 agctgcatcc ggagtactac aaagactgct gacatcgagc tttctacaag ggactttccg 360
125 ctggggactt tccaggaggt tgtggcctgg gcgggactgg ggagtggcga gccctcagat 420
126 gctacatata agcagctgct tttgcctgt actgggtctc tctggttaga ccagatctga 480
127 gcctgggagc tctctggcta actagggaac ccactgctta agcctcaata aagcttgctt 540
128 tgagtgtctc aagtagtgtg tgcccgtctg ttgtgtgact ctggtaacta gagatccctc 600
129 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacttgaaag 660
130 cgaaagtaaa gccagaggag atctctcgac gcaggactcg gcttgctgaa gcgcgcacgg 720
131 caagaggcga ggggcggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga 780
132 aggagagaga tgggtgagag agcgtcagta ttaagcgggg gagaattaga tcgcgatggg 840
133 aaaaaattcg gttaaggcca gggggaaaga aaaaatataa attaaaacat atagtatggg 900
134 caagcaggga gctagaacga ttcgcagtta atcctggcct gttagaaaca tcagaaggct 960
135 gtagacaaat actgggacag ctacaaccat cccttcagac aggatcagaa gaacttagat 1020
136 cattatataa tacagtagca accctctatt gtgtgcatca aaggatagag ataaaagaca 1080
137 ccaaggaagc tttagacaag atagaggaag agcaaaacaa aagtaagacc accgcacagc 1140
138 aagcgccgc atctcctatg gcaggaagaa gcggagacag cgacgaagag ctcatcagaa 1200
139 cagtcagact catcaagctt ctctatcaaa gcagtaagta gtacatgtaa tgcaacctat 1260
140 aatagtagca atagtagcat tagtagtagc acccgggcgg atccgaattc gcatgcgtcg 1320
141 actcgaggac tacaaggatg acgatgacaa ggattacaaa gacgacgatg ataaggacta 1380
142 taaggatgat gccgacaaat aatagcaatt cctcgacgac tgcatagggt taccctccctc 1440
143 tccctcccc cccctaaccg ttactggcgg aagccgcttg gaataaggcc ggtgtgctgt 1500
144 tgtctatatg ttattttcca ccatattgcc gtcttttggc aatgtgaggg cccggaacc 1560
145 tggccctgtc ttcttgacga gcattcctag gggctcttcc cctctcgcca aaggaatgca 1620
146 aggtctgttg aatgtcgtga aggaagcagt tcctctggaa gcttcttgaa gacaaacaac 1680
147 gtctgtagcg accctttgca ggcagcggaa cccccacct ggcgacaggt gcctctgcgg 1740
148 ccaaaagcca cgtgtataag atacacctgc aaaggcggca caaccctagt gccacgttgt 1800
149 gagttggata gttgtggaaa gagtcaaag gctctcctca agcgtattca acaaggggct 1860
150 gaaggatgcc cagaaggtag ccatttgtat gggatctgat ctggggcctc ggtgcacatg 1920
151 ctttacatgt gtttagtcga ggttaaaaaa cgtctaggcc ccccgaacca cggggacgtg 1980
152 gttttccttt gaaaaacacg atgataatgg ccacaacat ggtgagcaag cagatcctga 2040
153 agaacaccgg cctgcaggag atcatgagct tcaagggtgaa cctggagggg gtggtgaaca 2100
154 accacgtgtt caccatggag ggctgcggca agggcaacat cctgttcggc aaccagctgg 2160
155 tgcagatccg cgtgaccaag ggcgcccccc tgcccttcgc ctctgacatc ctgagccccg 2220
156 ccttcagta cggcaaccgc accttcacca agtaccctga ggacatcagc gacttcttca 2280
157 tccagagctt ccccgccggc ttcgtgtacg agcgaccct gcgctacgag gacggcggcc 2340

```

RAW SEQUENCE LISTING

DATE: 02/13/2007

PATENT APPLICATION: US/10/574,031

TIME: 10:08:37

Input Set : A:\58582478.APP

Output Set: N:\CRF4\02132007\J574031.raw

```

158 tgggtggagat ccgcagcgac atcaacctga tcgaggagat gttcgtgtac cgcgtggagt 2400
159 acaagggccg caacttcccc aacgacggcc ccgtgatgaa gaagaccatc accggcctgc 2460
160 agcccagctt cgaggtgggtg tacatgaacg acggcgtgct ggtggggccag gtgatcctgg 2520
161 tgtaccgcct gaacagcggc aagttctaca gctgccacat gcgcaccctg atgaagagca 2580
162 agggcgtggg gaaggacttc cccgagtacc acttcatcca gcaccgcctg gagaagacct 2640
163 acgtggagga cggcggcttc gtggagcagc acgagaccgc catcgcccag ctgaccagcc 2700
164 tgggcaagcc cctgggcagc ctgcacgagt ggggtgtaata gggtagcagg taagtgtacc 2760
165 caattcggcc gctgatcttc agacctggag gaggagatat gagggacaat tggagaagtg 2820
166 aattatataa atataaagta gtaaaaattg aaccattagg agtagcacc accaaggcaa 2880
167 agagaagagt ggtgcagaga gaaaaaagag cagtgggaat aggagctttg ttccttgggt 2940
168 tcttgggagc agcaggaagc actatgggcg cagcgtcaat gacgctgacg gtacaggcca 3000
169 gacaattatt gtctggtata gtgcagcagc agaacaattt gctgagggct attgaggcgc 3060
170 aacagcatct gttgcaactc acagtctggg gcacaaagca gctccaggca agaattcctg 3120
171 ctgtggaaaag atacctaaag gatcaacagc tcctggggat ttgggggtgc tctggaaaac 3180
172 tcatttgcac cactgctgtg ccttggaatg ctagttaggag taataaatct ctggaacaga 3240
173 tttggaatca cacgacctgg atggagtggg acagagaaat taacaattac acaagcttaa 3300
174 tacactcctt aattgaagaa tcgcaaaacc agcaagaaaa gaatgaacaa gaattattgg 3360
175 aattagataa atgggcaagt ttgtggaatt ggtttaacat aacaaattgg ctgtggtata 3420
176 taaaattatt cataatgata gtaggaggct tggtaggttt aagaatagtt tttgctgtac 3480
177 tttctatagt gaatagagtt aggcagggat attcaccatt atcgtttcag acccacctcc 3540
178 caaccccgag gggacccgac aggccgaag gaatagaaga agaaggtgga gagagagaca 3600
179 gagacagatc cattcgatta gtgaacggat ctgcacggta tcgtatgggg attggtggcg 3660
180 acgactcctg gagcccgta gtatcggcg aattccagct gagccagcag cagatggggg 3720
181 gggagcagta tctcgagacc tagaaaaaca tggagcaatc acaagtagca atacagcagc 3780
182 taacaatgct gcttgtgcct ggctagaagc acaagaggag gaagaggtgg gttttccagt 3840
183 cacacctcag gtacctttaa gaccaatgac ttacaaggca gctgtagatc ttagccactt 3900
184 tttaaaagaa aaggggggac tgggaagggt aattcactcc caaagaagac aagatatact 3960
185 tgatctgtgg atctaccaca cacaaggcta ctccctgat tggcagaact acacaccagg 4020
186 gccaggggtc agatatccac tgacctttgg atggtgctac aagctagtag cagttgagcc 4080
187 agataaggta gaagaggcca ataaaggaga gaacaccagc ttgttacacc ctgtgagcct 4140
188 gcatggaatg gatgacctg agagagaagt gtagagtgg aggtttgaca gccgcctagc 4200
189 atttcatcag gtggcccgag agctgcatcc ggagtacttc aagaactgct gacatcgagc 4260
190 ttgctacaag ggactttccg ctggggagg tccaggagg cgtggcctgg gcgggactgg 4320
191 ggagtggcga gccctcagat gctgcataata agcagctgct ttttgcctgt actgggtctc 4380
192 tctggttaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 4440
193 agcctcaata aagcttgctt tgagtgtctc aagtagtgtg tgcccgtctg ttgtgtgact 4500
194 ctggttaacta gagatccctc agaccctttt agtcagtgtg gaaaatctct agca 4554
197 <210> SEQ ID NO: 3
198 <211> LENGTH: 7719
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
204 construct
206 <400> SEQUENCE: 3
207 tgggaagggt aatttgggtc caaaaaagac aagagatcct tgatctgtgg atctaccaca 60
208 cacaaggcta ctccctgat tggcagaact acacaccagg gccagggatc agatatccac 120
209 tgacctttgg atggtgcttc aagtttagtac cagttgaacc agagcaagta gaagaggcca 180
210 aataaggaga gaagaacagc ttgttacacc ctatgagcca gcatgggatg gaggaccg 240

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,031

DATE: 02/13/2007

TIME: 10:08:37

Input Set : A:\58582478.APP

Output Set: N:\CRF4\02132007\J574031.raw

```

211 agggagaagt attagtgtgg aagtttgaca gcctcctagc atttcgtcac atggcccagag 300
212 agctgcatcc ggagtactac aaagactgct gacatcgagc tttctacaag ggactttccg 360
213 ctggggactt tccagggagg tgtggcctgg gcgggactgg ggagtggcga gccctcagat 420
214 gctacatata agcagctgct ttttgctgt actgggtctc tctggttaga ccagatctga 480
215 gcctgggagc tctctggcta actagggaaac ccactgctta agcctcaata aagcttgctt 540
216 tgagtgtctc aagtagtgtg tgcccgtctg ttgtgtgact ctggtaacta gagatccctc 600
217 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacttgaaag 660
218 cgaaagtaaa gccagaggag atctctcgac gcaggactcg gcttgctgaa gcgcgcacgg 720
219 caagaggcga ggggaggcga ctggtgagta cgccaaaaat tttgactagc ggaggctaga 780
220 aggagagaga tgggtgcgag agcgtcagta ttaagcgggg gagaattaga tcgcgatggg 840
221 aaaaaattcg gttaaggcca gggggaaaga aaaaatataa attaaaacat atagtatggg 900
222 caagcaggga gctagaacga ttgcagttta atcctggcct gttagaaaca tcagaaggct 960
223 gtagacaaat actgggacag ctacaaccat cccttcagac aggatcagaa gaacttagat 1020
224 cattatataa tacagtagca accctctatt gtgtgcatca aaggatagag ataaaagaca 1080
225 ccaaggaagc tttagacaag atagaggaag agcaaaacaa aagtaagacc accgcacagc 1140
226 aagcgccgc atctctatg gcaggaagaa gcggagacag cgacgaagag ctcatcagaa 1200
227 cagttagact catcaagctt ctctatcaaa gcagtaagta gtacatgtaa tgcaacctat 1260
228 aatagtagca atagtagcat tagtagtagc acccgggcgg atccgcgcc gccatgaaag 1320
229 tgttccgcaa ttccgcaaaa aagaagagga aggtagaaga cccaaggac tttccttcag 1380
230 aattgctaag ttttttgagt ccaagcttgg cactggcgt cgttttacaa cgtcgtgact 1440
231 gggaaaaccc tggcgttacc caacttaatc gccttgccgc acatccccct ttcgccagct 1500
232 ggcgtaatag cgaagaggcc cgcaccgatc gcccttccca acagttgcgc agcctgaatg 1560
233 gcgaatggcg ctttgccctg tttccggcac cagaagcggg gccggaaagc tggctggagt 1620
234 gcgatcttcc tgaggccgat actgtcgtcg tccctcaaaa ctggcagatg cacggttacg 1680
235 atgcgcccat ctacaccaac gtaacctatc ccattacggt caatccgccg tttgttccca 1740
236 cggagaatcc gacgggttgt tactcgtcga catttaatgt tgatgaaagc tggctacagg 1800
237 aaggccagac gcgaattatt tttgatggcg ttaactcggc gtttcatctg tggtgcaacg 1860
238 ggcgctgggt cggttacggc caggacagtc gtttgccgtc tgaatttgac ctgagcgcat 1920
239 ttttacgcgc cggagaaaac cgcctcgcg tgatgggtgt gcgttgagat gacggcagtt 1980
240 atctggaaga tcaggatat tggcggatga gcggcatttt ccgtgacgtc tcgttgctgc 2040
241 ataaaccgac tacacaaatc agcgatttcc atgttgccac tcgctttaat gatgatttca 2100
242 gccgcgtgt actggaggct gaagttcaga tgtgcggcga gttgcgtgac tacctacggg 2160
243 taacagtttc tttatggcag ggtgaaacga aggtcgccag cggcaccgcg cctttcggcg 2220
244 gtgaaattat cgatgagcgt ggtggttatg ccgatcgctg cacactacgt ctgaacgtcg 2280
245 aaaacccgaa actgtggagc gccgaaatcc cgaatctcta tcgtgcggtg gttgaactgc 2340
246 acaccgccga cggcacgctg attgaagcag aagcctgcga tgtcggtttc cgcgaggtgc 2400
247 ggattgaaaa tggctctgct ctgctgaacg gcaagccgtt gctgattcga ggcgttaacc 2460
248 gtcacgagca tcactctctg catggtcagg tcatggatga gcagacgatg gtgcaggata 2520
249 tctgtctgat gaagcagaac aactttaacg ccgtgcgctg ttcgcattat ccgaaccatc 2580
250 cgctgtggta cacgctgtgc gaccgctacg gcctgtatgt ggtggatgaa gccaatattg 2640
251 aaaccacagg catggtgcc aatgaatcgtc tgaccgatga tccgcgctgg ctaccggcga 2700
252 tgagcgaacg cgtaacgcga atggtgcagc gcgatcgtaa tcacccgagt gtgatcatct 2760
253 ggtcgctggg gaatgaatca ggccacggcg ctaatcacga cgcgctgtat cgctggatca 2820
254 aatctgtcga tccttcccgc ccggtgcagt atgaaggcgg cggagccgac accacggcca 2880
255 cgatattat ttgcccgatg tacgcgcgcg tggatgaaga ccagcccttc ccggctgtgc 2940
256 cgaaatggtc catcaaaaaa tggctttcgc tacctggaga gacgcgcccg ctgatccttt 3000
257 gcgaatacgc ccacgcgatg ggtaacagtc ttggcggttt cgctaaatac tggcaggcgt 3060
258 ttcgtcagta tccccgttta caggcggtt tcgtctggga ctgggtggat cagtcgctga 3120
259 ttaaatatga tgaaaacggc aaccctggtt cggcttacgg cggtgatttt ggcgatacgc 3180

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/574,031

DATE: 02/13/2007

TIME: 10:08:38

Input Set : A:\58582478.APP

Output Set: N:\CRF4\02132007\J574031.raw